

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): A metallic wire lead comprising:
an outer shell made of a first biocompatible metal; and
a plurality of wire elements disposed within said shell, each of said wire elements
comprising a metallic shell made of a second biocompatible metal, said metallic shell filled with
a third biocompatible metal, said plurality of wire elements being compacted together whereby
substantially no voids exist within said outer shell; and
an insulation layer disposed around said outer shell.
2. (currently amended): The lead according to claim 1 Claim 1, wherein said first
metal is biocompatible said insulation layer includes at least one contact section in the form of a
void in said insulation layer.
3. (currently amended): The lead according to claim 1 Claim 1, wherein said first
metal [[is]] comprises platinum.
4. (currently amended): The lead according to claim 1 Claim 1, wherein said third
metal [[is]] comprises silver.
5. (currently amended): The lead according to claim 1 Claim 1, wherein said second
metal is ASTM Standard F562 comprises a cobalt-nickel-chromium alloy.
6. (currently amended): The lead according to claim 1 Claim 1, wherein said wire
elements are twisted together into a bundle.

7. (currently amended): The lead according to ~~claim 1~~ Claim 1, wherein said plurality of wire elements includes at least one hollow tube.

8. (currently amended): The lead according to ~~claim 1~~ Claim 1, wherein at least two of said plurality of metallic shells are filled with different metals.

9. (currently amended): The lead according to ~~claim 8~~ Claim 8, wherein one of said metallic shells is filled with silver and another of said metallic shells is filled with tantalum.

10. (canceled)

11. (currently amended): The lead according to ~~claim 1~~ Claim 1, including a second outer shell covering said outer shell, said second outer shell made of a fourth metal.

12. (currently amended): A method of making a lead, said method comprising the steps of:

providing a first tube made of a first biocompatible metal, ~~said the~~ first tube having a first diameter;

forming a plurality of wire elements into a bundle, ~~said the~~ wire elements each comprising a metallic shell made of a second biocompatible metal, ~~said the~~ metallic shell filled with a third biocompatible metal;

inserting ~~said the~~ bundle into ~~said the~~ first tube to form an assembly; and

thereafter drawing ~~said the~~ assembly down to form a wire with a second diameter less than said first diameter; and

applying an insulation layer to the assembly.

13. (currently amended): The method according to claim 12 wherein ~~said first metal is biocompatible~~ Claim 12, further comprising the additional step of forming at least one contact section in the form of a void in the insulation layer.

14. (currently amended): The method according to claim 12 Claim 12, wherein at least two of said the wire elements are filled with different metals.

15. (currently amended): The method according to claim 12 Claim 12, wherein said the third metal [[is]] comprises silver.

16. (currently amended): The method according to claim 12 Claim 12, wherein said the first metal [[is]] comprises platinum.

17. (currently amended): The method according to claim 12 Claim 12, wherein said the second metal is ASTM Standard F562 comprises a cobalt-nickel-chromium alloy.

18. (currently amended): The method according to claim 12 Claim 12, further comprising the additional step of, prior to said the drawing step, providing a second metallic tube made of a fourth metal and inserting said the assembly into said the second metallic tube.

19. (currently amended): The method according to claim 12 wherein said method further includes the step of coating said first tube with an electrically non conductive insulating material Claim 12, further comprising the additional step of, prior to said inserting step, twisting the bundle.

20-22. (cancelled)

23. (currently amended): A method of making a composite wire, said method comprising the steps of:

providing a first tube made of a first biocompatible metal, said the first tube having a first diameter;

forming a plurality of wire elements into a bundle, at least one of said the wire elements made of a second biocompatible metal, at least one of said the wire elements made of a third biocompatible metal;

twisting the bundle;

inserting said the bundle into said the first tube to form an assembly; and thereafter drawing said the assembly down to form a wire having a second diameter.

24. (currently amended): The method of claim 23 Claim 23, wherein at least one said of the wire elements is comprised of strands.

25. (currently amended): The wire according to claim 23 method of Claim 23, wherein at least one of said the wire elements comprises a tube made of said the second metal and said the tube is filled with a fourth biocompatible metal.

26. (new): The method of Claim 12, wherein said drawing step comprises drawing the assembly down to form a wire having a second diameter less than the first diameter with substantially no voids existing within the tube.

27. (new): The method of Claim 23, wherein said drawing step comprises drawing the assembly down to form a wire having a second diameter less than the first diameter with substantially no voids existing within the tube.

28. (new): The method of Claim 23, further comprising the additional step, after said drawing step, of applying an insulation layer to the assembly.

29. (new): The method of Claim 28 further comprising the additional step of forming at least one contact section in the form of a void in the insulation layer.

30. (new): A metallic wire comprising:
an outer shell comprising platinum; and
a plurality of first wire elements disposed within said outer shell, at least one of said first wire elements being a tube comprising a cobalt-nickel-chromium alloy, said tube filled with a metal comprising silver.

31. (new): The wire of Claim 30, wherein said plurality of first wire elements are compacted together whereby no voids exist within said outer shell.

32. (new): The wire of Claim 30, wherein said first wire elements are twisted to form a twisted bundle.

33. (new): The wire of Claim 30, further comprising at least one second wire element disposed within said outer shell, said second wire element comprising tantalum.

34. (new): The wire of Claim 30, further comprising at least one second wire element disposed within said outer shell, said second wire element being a hollow tube comprising a cobalt-nickel-chromium alloy.

35. (new): The wire of Claim 34, further comprising a fiber optic element disposed within said hollow tube.

36. (new): The wire of claim 30, further comprising an additional outer shell, said additional outer shell comprising a cobalt-nickel-chromium alloy.

37. (new): The wire of Claim 36, further comprising at least one second wire element disposed within said outer shells, said second wire element comprising tantalum.

38. (new): The wire of Claim 36, further comprising at least one second wire element disposed within said outer shells, said second wire element being a hollow tube comprising a cobalt-nickel-chromium alloy.

39. (new): The wire of Claim 30, wherein said outer shell further comprises iridium.